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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/546,174	04/11/2000	Chih-Chien Liu	JIA 462C1	4793
25250	7590 11/06/2002		EXAMI	NED
HOGAN & HARTSON LLP ONE TABOR CENTER, SUITE 1500 1200 SEVENTEENTH ST			SERGENT, RABON A	
			1711	12
			DATE MAILED: 11/06/2002	(7

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/546,174

Applicant(s)

Liu et al.

Office Action Summary

Examiner Rabon Sergent Art Unit 1711



	The MAILING DATE of this communication appears of	n the cover sheet with the correspondence address			
Period f	for Reply	O EXPIRE THESE MONTH(S) FROM			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.					
- Extens	ions of time may be available under the provisions of 37 CFR 1.136 (a). In no	event, however, may a reply be timely filed after SIX (6) MONTHS from the			
mailing	date of this communication.	statutory minimum of thirty (30) days will be considered timely.			
- If NO p	period for reply is specified above, the maximum statutory period will apply and	application to become ABANDONED (35 U.S.C. § 133).			
- Anv re	ply received by the Office later than three months after the mailing date of thi	s communication, even if timely filed, may reduce any			
earned Status	patent term adjustment. See 37 CFR 1.704(b).				
1) 💢	Responsive to communication(s) filed on Oct 8, 200	2			
2a) 🗆	This action is FINAL . 2b) 💢 This action				
3) 🗆	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
0, _	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.				
Disposi	tion of Claims	W. J. H. Carlos and Parking			
		is/are pending in the application.			
4	4a) Of the above, claim(s)	is/are withdrawn from consideration.			
5) 🗆	Claim(s)				
6) 💢	Claim(s) 50-61				
7)	_Claim(s)	is/are objected to.			
8) 🗆	Claims	are subject to restriction and/or election requirement.			
	ation Papers				
	The specification is objected to by the Examiner.				
10)	is/org at a secreted or blankered to by the Examiner.				
10,	A. Frank way not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
11)	The proposed drawing correction filed on	is: a) \square approved b) \square disapproved by the Examiner.			
11/6	If approved, corrected drawings are required in reply to this Office action.				
12)	The oath or declaration is objected to by the Exami				
Priority	y under 35 U.S.C. §§ 119 and 120				
13)	Acknowledgement is made of a claim for foreign pr	iority under 35 U.S.C. § 119(a)-(d) or (f).			
a)	□ All b)□ Some* c)□ None of:	•			
	1. Certified copies of the priority documents hav	e been received.			
	2. Certified copies of the priority documents hav	e been received in Application No			
. 44 604	3. Copies of the certified copies of the priority de	ocuments have been received in this National Stage au (PCT Rule 17.2(a)).			
* (See the attached detailed Office action for a list of the	e certified copies not received.			
14)[🗙	Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. § 119(e).			
a)	\square The translation of the foreign language provisiona	l application has been received.			
15)🗶	Acknowledgement is made of a claim for domestic	priority under 35 U.S.C. 33 T20 and/or T21.			
	ment(s)	4) Interview Summary (PTO-413) Paper No(s).			
1) Notice of References Cited (PTO-892)		5) Notice of Informal Patent Application (PTO-152)			
	Notice of Draftsperson's Patent Drawing Review (PTO-948)	6) Other:			
3)	Information Disclosure Statement(s) (PTO-1449) Paper No(s).	U) [] O			

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- 1. In view of applicants' citation of U. S. Patent 5,854,126 within the communication of October 8, 2002, paper number 16, the finality of the Office action of September 10, 2002 has been withdrawn. Furthermore, the amendment of October 8, 2002 has been entered.

 Accordingly, claims 50-61 are currently pending.
- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 50-61 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tobben et al. ('126).

Tobben et al. disclose the production of semiconductor devices containing electrically conductive wires on a substrate, wherein the method comprises the deposition and etching of layers which correspond to those claimed by applicants. See figures and columns 2-4. Patentees further teach at column 4, lines 10-26 that if an additional metalization layer is to be used, then a layer of dielectric material is deposited over the surface of the structure and within the grooves between the wiring lines. Patentees additionally teach that this layer may be formed by depositing silicon dioxide using high density plasma deposition techniques. The position is taken that applicants' method fails to exclude the use of a second metalization layer and that the last step of applicants' claimed process is met by the disclosure pertaining to the high density plasma deposition of the dielectric within the grooves between the wiring lines.

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4. Alternatively, in view of the aforementioned teachings within Tobben et al., the position is taken that it would have been obvious to utilize a high density plasma deposition technique to incorporate a dielectric material onto the surface of the wiring line containing substrate and within the grooves between the wiring lines, so as to insulate the wiring lines from external influences.

Any inquiry concerning this communication should be directed to R. Sergent at telephone number (703) 308-2982.

RABON SERGENT PRIMARY EXAMINER

R. Sergent

November 2, 2002